

Notice of Allowability

Application No.

10/653,512

Examiner

Leon J. Harper

Applicant(s)

TSUCHITANI ET AL.

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/30/07.
2. ☒ The allowed claim(s) is/are 5-9 (Renumbered as 1-5).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 9/2/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____

Signature: Mohammad Ali
Primary Examiner

DETAILED ACTION

1. This communication is in response to the after final amendment filed on 3/30/2007. After a search and thorough examination of the present application and in light of the prior art made of record claims 5-9 as amended are allowed.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Please amend the claim which was filed on 3/30/2007 as follows:

In claim 8,

In line 1, after search support system , delete ----of claim 1----.

Reason for Allowance

2. The prior art made of record does not teach or fairly suggest an information search support system comprising: ontology extracting means for, based on a service selection command from a browser, extracting an ontology, said ontology displaying relationships among metadata and predicate relationships as concepts and properties, vocabularies, and parent-child relationships, said ontology corresponding to a selected service; storing means for analyzing the ontology extracted by said ontology extracting means and storing into a memory a conceptual structure and details of properties

corresponding to respective concepts, including the relationships among metadata and predicate relationships as concepts and properties, and parent-child relationships; concept window display means for calling said conceptual structure, including the relationships among metadata and predicate relationships as concepts and properties, and parent-child relationships stored in said storing means and displaying it in a display area of said browser; inference engine means for extending or compressing vocabularies relative to the concepts selected from said concepts; and property window display means for calling from said storing means details of a property corresponding to a concept selected from said conceptual structure displayed by said concept window display means and displaying them in a display area of said browser; a vocabulary information processing mechanism for loading an ontology corresponding to a selected service, said ontology displaying relationships among metadata and predicate relationships as concepts and properties, and parent-child relationships, displayed as trees, said ontology and analyzing the loaded ontology to extract a conceptual structure; a conceptual information display section for displaying said conceptual structure extracted by said vocabulary information processing mechanism on a browser of a user terminal via a network; a property information display section for displaying on said browser property information relative to a concept selected from the conceptual structure displayed on said browser by said conceptual information display means; and a relational information display section for displaying, when a plurality of concepts are selected by said conceptual information display section, relationships between the concepts on the browser.

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leon J. Harper whose telephone number is 571-272-0759. The examiner can normally be reached on 7:30AM - 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LJH *LJH*
Leon J. Harper
April 19, 2007

Muhammad Ali
Muhammad Ali
Primary Examiner